CONTENTS OF VOLUME 189

JULY 1999 VOLUME 189 NUMBER 1

ORIGINAL SCIENTIFIC ARTICLES

1 **Pancreatic Cancer: A Report of Treatment and Survival Trends for 100,313 Patients Diagnosed from 1985–1995, Using the National Cancer Database** *Stephen F Sener, MD, FACS, Amy Fremgen, PhD, Herman R Menck, MBA, David P Winchester, MD, FACS*

8 **Patterns of Surgical Practice in a Small Rural Hospital** *Jack Sariego, MD, FACS*

11 **Analysis of Laparoscopy in Trauma** *Raphael T Villavicencio, MD, John A Aucar, MD, FACS*

21 **Use of *N*-Butyl-2-cyanoacrylate in Elective Surgical Incisions: Longterm Outcomes** *Gilad E Amiel, MD, Igor Sukhotnik, MD, Bassem Kawar, Leonardo Siplovich, MD, FACS*

26 **Longterm Effects of Pulmonary Resection on Cardiopulmonary Function** *Masahisa Miyazawa, MD, Masayuki Haniuda, MD, Hideki Nishimura, MD, Keishi Kubo, MD, Jun Amano, MD*

34 **Positive Predictive Value of the Breast Imaging Reporting and Data System** *Melissa A Laquement, MBA, Debra Mitchell, MD, Alan B Hollingsworth, MD, FACS*

41 **Is Race a Poor Prognostic Factor in Breast Cancer?** *Mahmoud B El-Tamer, MD, FACS, Peter Homel, PhD, Richard B Wait, MD, PhD, FACS*

46 **Complex Gastrointestinal Surgery: Impact of Provider Experience on Clinical and Economic Outcomes** *Toby A Gordon, ScD, Helen M Bowman, MS, Eric B Bass, MD, Keith D Lillemoe, MD, FACS, Charles J Yeo, MD, FACS, Richard F Heitmiller, MD, FACS, Michael A Choti, MD, FACS, Gregg P Burleyson, MHS, Ginny Hsieh, MPH, John L Cameron, MD, FACS*

57 **Carcinoma of the Gallbladder Associated with Anomalous Junction of the Pancreaticobiliary Duct in Adults** *Takanori Yoshida, MD, Kohei Shibata, MD, Toshifumi Matsumoto, MD, Atsushi Sasaki, MD, Ryuichiro Hirose, MD, Seigo Kitano, MD, FACS*

63 **Utility of Magnetic Resonance Cholangiography in the Evaluation of Biliary Obstruction** *Thomas H Magnuson, MD, FACS, Jeffrey S Bender, MD, FACS, Mark D Duncan, MD, Steven A Ahrendt, MD, John W Harmon, MD, FACS, Fintan Regan, MD*

73 **Thrombotic Complications Resulting from Hypercoagulable States in Chronic Hemodialysis Vascular Access** *Christopher J LeSar, MD, Hollis W Merrick, MD, FACS, Mary R Smith, MD*

82 **Dual Kidney Transplantation: Older Donors for Older Recipients** *Crystine M Lee, MD, Jonathan T Carter, BS, Rebecca J Weinstein, Heather M Pease, John D Scandling, MD, Martha Pavalakis, MD, Donald C Dafoe, MD, FACS, Edward J Alfrey, MD, FACS*

93 **Angiographic Criteria Reliably Predict When Carotid Endarterectomy Can Be Safely Performed Without a Shunt** *Reese A Wain, MD, Frank J Veith, MD, FACS, Bruce A Berkowitz, MD, Alan D Legatt, MD, PhD, Michael Schwartz, MD, Evan C Lipsitz, MD, Sheryl R Haut, MD, Jacqueline A Bello, MD*

102 **Endovascular Graft Repair of Ruptured Aortoiliac Aneurysms** *Takao Ohki, MD, Frank J Veith, MD, FACS, Luis A Sanchez, MD, FACS, Jacob Cynamon, MD, Evan C Lipsitz, MD, Reese A Wain, MD, Jeffery A Morgan, BA, Lu Zhen, BS, William D Suggs, MD, FACS, Ross T Lyon, MD*

114 **Measuring and Developing Suturing Technique with a Virtual Reality Surgical Simulator** *Robert V O'Toole, MS, Robert R Playter, PhD, Thomas M Krummel, MD, FACS, William C Blank, BS, Nancy H Cornelius, PhD, Webb R Roberts, BS, Whitney J Bell, BA, Marc Raibert, PhD*

127 **Accompanying Editorial: Virtual Reality Surgical Simulators: Feasible but Valid?** *Richard K Reznick, MD*

EDITORIAL

129 **Pancreatic Cancer: "True, False, or Just a Start?"** *Murray F Brennan, MD, FACS*

SURGEON AT WORK

131 **Laparoscopic Finger-Assisted Technique (Fingeroscopy) for Treatment of Complicated Appendicitis** *Namir Katkhouda, MD, FACS, Rodney J Mason, MD, Eli Mavor, MD, Guilherme MR Campos, MD, Raymond T Rivera, MD, Michael B Hurwitz, MD, Donald Waldrep, MD*

134 **Intraoperative Dynamic Fluoroscopic Cholangiogram During Laparoscopic Cholecystectomy** *B Todd Heniford, MD, Marjorie J Arca, MD, Keith Gersin, MD, Jeffery Ponsky, MD, FACS*

138 **A Modification of the "Components Separation" Technique for Closure of Abdominal Wall Defects in the Presence of an Enterostomy** *Sylvester M Maas, MD, Marina van Engeland, MD, Nicolaas G Leeksma, MD, Robert P Bleichrodt, MD, PhD*

LETTER TO THE EDITOR

141 **Treatment with Low Molecular Weight Heparin Needs Anticoagulation Monitoring** *Ahmed Hassn, MB, ChB, MS, FRCS, MD, Amr AF Hassan, MB, ChB, MS*

Reply *Bauer Sumpio, MD, FACS*

BOOK REVIEWS

143 **Year Book of Practical Care Medicine 1998.** Edited by Joseph E Parrillo, MD, Robert A Balk, MD, James E Calvin Jr, MD, and Cory M Franklin, MD *Reviewed by David J Dries, MSE, MD*

143 **Evidence-Based Medicine: A Framework for Clinical Practice.** Edited by Daniel J Friedland, MD *Reviewed by John K Larson, MD*

144 **Mastery of Cardiothoracic Surgery.** Edited by Larry R Kaiser, MD, Irving L Kron, MD, and Thomas L Spray, MD *Reviewed by G Robert Mason, MD*

144 **Handbook of Diseases of the Breast, 2nd Edition.** By JM Dixon, MD, FRCS, and JRC Sainsbury, MD, FRCS *Reviewed by Marilyn K Szekendi, RN, MSN*

A35 Instructions for Authors
A38 Uniform Requirements
A49 Future National Meetings
A66 Classifieds

AUGUST 1999 VOLUME 189 NUMBER 2

ORIGINAL SCIENTIFIC ARTICLES

145 **An Algorithm to Reduce the Incidence of False-Negative FAST Examinations in Patients at High Risk for Occult Injury** *Robert B Ballard, MD, Grace S Rozycki, MD, RDMS, FACS, Paul G Newman, MD, Javier E Cubillos, MD, Jeffrey P Salomone, MD, Walter L Ingram, MD, David V Feliciano, MD, FACS*

152 **Role of Clinical Examination in Screening for Blunt Cervical Spine Injury** *Richard P Gonzalez, MD, Peter O Fried, MD, Mikhail Bukhalo, Michele R Holevar, MD, FACS, Mark E Falimirski, MD*

158 **Manometric and Radiographic Verification of Esophageal Body Decompensation for Patients with Achalasia** *Yutaka Shiino, MD, PhD, Scott G Houghton, Charles J Filipi, MD, FACS, Ziad T Awad, MD, FRCSI, Tetsuya Tomonaga, MD, Robert E Marsh, MD*

164 **Thoracoscopic Versus Laparoscopic Modified Heller Myotomy for Achalasia: Efficacy and Safety in 87 Patients** *Ken C Stewart, MD, Richard J Finley, MD, FRCSC, FACS, Joanne C Clifton, BA, Andrew J Graham, MD, FRCSC, Carol Storseth, RN, Richard Inculet, MD*

171 **Surgical Treatment of Anoperineal Crohn's Disease: Can Abdominoperineal Resection Be Predicted?** *Jean-Marc Régimbeau, MD, Yves Panis, MD, PhD, Philippe Marteau, MD, Stéphane Benoist, MD, Patrice Valleur, MD*

177 **Comparison of Treatments for Hepatolithiasis: Hepatic Resection Versus Cholangioscopic Lithotomy** *Kazuhiro Otani, MD, Shuji Shimizu, MD, Kazuo Chijiiwa, MD, FACS, Takahiro Ogawa, MD, Takashi Morisaki, MD, Atsushi Sugitani, MD, Koji Yamaguchi, MD, Masao Tanaka, MD*

183 **The Role of Sentinel Lymph Node Biopsy in Breast Cancer** *Siddharth S Bass, MD, Charles E Cox, MD, FACS, Ni Ni Ku, MD, Claudia Berman, MD, Douglas S Reintgen, MD, FACS*

195 **Location of Sentinel Lymph Nodes in Patients with Cutaneous Melanoma: New Insights into Lymphatic Anatomy** *John F Thompson, MD, FRACS, FACS, Roger F Uren, MD, FRACP, Helen M Shaw, PhD, William H McCarthy, MBBS, FRACS, Michael J Quinn, MBBS, FRACS, Christopher J O'Brien, MS, FRACS, Roger B Howman-Giles, MD, FRACP*

204 **Accompanying Editorial: The Importance of Lymphatic Anatomy in Melanoma—A Resurgence of Clinical Significance in an Era of Sentinel Lymph Node Technology** *Charles M Balch, MD, FACS, Merrick I Ross, MD, FACS*

COLLECTIVE REVIEWS

207 **Sentinel Node Biopsy in Breast Cancer** *Eddy C Hsueh, MD, Roderick R Turner, MD, Edwin C Glass, MD, R James Brenner, MD, Meghan B Brennan, RN, AOCN, Armando E Giuliano, MD, FACS*

214 **Current Status of Intraoperative Lymphatic Mapping and Sentinel Lymphadenectomy for Melanoma: Is It Standard of Care?** *Donald L Morton, MD, FACS, Arden D Chan, MD, FACS*

224 **The Role of Elective Lymph Node Dissection in Malignant Melanoma: Who Should Undergo This Nodal Staging Procedure?** *Douglas Reintgen, MD, FACS*

BOOK REVIEWS

233 **Atlas of Gastrointestinal Endoscopy.** Edited by Emmet B Keefe, MD *Reviewed by Michael D Brown, MD*

233 **Gastrointestinal Endosonography.** Edited by Jacques Van Dam, MD, PhD, Michael V Sivak Jr, MD *Reviewed by Michael W Mulholland, MD*

234 **A Guide to Laparoscopic Surgery.** By Azad Najmaldin, MB, ChB, MS, FRCS, Pierre Guillou, MD, FRCPS *Reviewed by John F Sweeney, MD*

234 **Principles of Surgery, 7th ed.** Edited by Seymour I Schwartz, MD, G Tom Shires, MD, Frank C Spencer, MD, John M Daly, MD, Josef E Fischer, MD, Aubrey C Galloway, MD *Reviewed by Stewart C Wang, MD, PhD, FACS*

A47 Instructions to Authors

A50 Future National Meetings

A52 Classifieds

SEPTEMBER 1999 VOLUME 189 NUMBER 3

ORIGINAL SCIENTIFIC ARTICLES

237 **Complete Removal of Nonpalpable Breast Malignancies with a Stereotactic Percutaneous Vacuum-Assisted Biopsy Instrument** *Csaba Gajdos, MD, Miriam Levy, MD, Zeva Herman, MD, George Herman, MD, Ira J Bleiweiss, MD, Paul Ian Tartter, MD, FACS*

241 **Intraoperative Ultrasound Localization to Guide Surgical Excision of Nonpalpable Breast Carcinoma** *Seth P Harlow, MD, David N Krag, MD, FACS, Suzanne E Ames, MD, Donald L Weaver, MD*

247 **Lymphatic Mapping and Sentinel Lymphadenectomy after Wide Local Excision of Primary Melanoma** *Pond R Kelemen, MD, Richard Essner, MD, FACS, Leland J Foshag, MD, Donald L Morton, MD, FACS*

253 **Intraoperative Decision Making in Follicular Lesions of the Thyroid: Is Tumor Size Important?** *Paul G Gauger, MD, Thomas S Reeve, MBBS, FRACS, FACS, Leigh W Delbridge, MD, FRACS*

259 **A New Approach to the Palliation of Advanced Proximal Gastric Cancer** *Farrokh Saidi, MD, FACS, FRCS, Mohammad Keshoofy, MD, Azizollah Abbassi-Dezfuli, MD, Zargham H Ahamadi, MD, Mohammad B Shadmehr, MD*

269 **Acquired Abnormalities of the Biliary Tract from Chronic Gallstone Disease** *Helen R Dorrance, FRCS, M Krishna Lingam, MD, Alan Hair, FRCS, Karin Oien, MD, Patrick J O'Dwyer, MCh, FRCS*

274 **The Prevalence and Natural History of Gallstones in Spinal Cord Injured Patients** *Ravi Moonka, MD, Steven A Stiens, MS, MD, William J Resnick, BA, Jerome M McDonald, MD, William B Eubank, MD, Jason A Dominitz, MD, MHS, Matthias G Stelzner, MD, FACS*

282 **Resection of Hepatocellular Carcinoma in Cirrhotic Patients: Longterm Results of a Prospective Study** *Christian Gouillat, MD, FACS, Dimitri Manganas, MD, Guillermo Saguier, MD, René Duque-Campos, MD, Philippe Berard, MD, FACS*

291 **Hepatic Resection for Metastatic Colorectal Adenocarcinoma: A Proposal of a Prognostic Scoring System** *Shunzaburo Iwatsuki, MD, PhD, FACS, Igor Dvorchik, PhD, Juan R Madariaga, MD, FACS, J Wallis Marsh, MD, FACS, Forrest Dodson, MD, Andrew C Bonham, MD, David A Geller, MD, Timothy J Gayowski, MD, FACS, John J Fung, MD, PhD, FACS, Thomas E Starzl, MD, PhD, FACS*

300 **Comparison of Controlled and Glisson's Pedicle Transections of Hepatic Hilum Occlusion for Hepatic Resection** *Takuya Nakai, MD, Kenzo Koh, MD, Sadao Funai, MD, Takashi Kawabe, MD, Kiyotaka Okuno, MD, Masayuki Yasutomi, MD*

305 **Surgical Complications after Pancreas Transplantation with Portal-Enteric Drainage** *Kunam S Reddy, MD, FRCS, Robert J Stratta, MD, FACS, Mohammed H Shokouh-Amiri, MD, Rita Alloway, PharmD, Maria F Egidi, MD, Ahmed O Gaber, MD, FACS*

314 **Increased Use of Prophylactic Vena Cava Filters in Trauma Patients Failed to Decrease Overall Incidence of Pulmonary Embolism** *Addison L McMurtry, MD, John T Owings, MD, FACS, John T Anderson, MD, Felix D Battistella, MD, FACS, Robert Gosselin, MT*

EDITORIAL

321 **Evolving Technology for Ultrasound Localization and Excision of Nonpalpable Breast Cancer** *Kirby I Bland, MD, FACS*

HISTORY

324 **James Bolton, MD (1812–1869): Reflections on an American Surgeon** *Joshua D Beck, MS, Kenneth G Swan, MD, FACS*

SURGEON AT WORK

330 **Wire-Guided Transoral Esophagogastrostomy for Carcinoma of the Cervical Esophagus** *Akira Tangoku, MD, Hiroto Hayashi, MD, Shigefumi Yoshino, MD, Tomio Ueno, MD, Toshihiro Abe, MD, Yasunori Yoshimoto, MD, Takayuki Morioka, MD, Masaaki Oka, MD*

IMAGES FOR SURGEONS

334 **Spontaneous Pneumothorax from Apical Pulmonary Blebs** *Mark L Silen, MD, MBA, FACS, Sandra S Tomita, MD*

LETTERS TO THE EDITOR

335 **Preoperative Needle Biopsy Is Helpful to the Breast Surgeon** *Cary S Kaufman, MD, FACS, Ron Delbecq, MD, Leslie Jacobson, MS*

Reply *Jeanne M Johnson, MD, Jeffrey Landercasper, MD, FACS, Rory R Dalton, MD*

336 **Postoperative Liver Failure** *Malcolm M Bilimoria, MD, Amin S Chaoui, MD, J Nicolas Vauthey, MD*

Reply *Ken Shirabe, MD, Mitsuo Shimada, MD, Keizo Sugimachi, MD*

338 **Concomitant Major Hepatectomy and Inferior Vena Cava Reconstruction** *Carlos Del Campo, MD, FRCS(C), FACS*

Reply *Susumu Ohwada, MD, Yasuo Morishita, MD*

BOOK REVIEWS

340 **Indications in Vascular and Endovascular Surgery.** Edited by RM Greenhalgh, MA, MD, MChir *Reviewed by* Rodney A White, MD

340 **Ischemic Heart Disease: Surgical Management.** Edited by Brian Buxton, MS, FRACS, FRCS, OH Frazier, MD, Stephen Westaby, FRCS *Reviewed by* Ralph J Damiano Jr, MD

341 **Instructions for Surgery Patients.** By Steven G Economou, MD, Tasia S Economou, MD *Reviewed by* Helen A Pass, MD

341 **Carcinoma of the Thyroid.** Edited by Jonas T Johnson, MD, Jack L Gluckman, MD *Reviewed by* Harold Pelzer, DDS, MD

A16 **Preliminary Program for the 85th Annual Clinical Congress**

A45 **Owen H Wangensteen Surgical Forum (1999 Clinical Congress)**

A69 **Instructions for Authors**

A73 **Future National Meetings**

A82 **Classifieds**

OCTOBER 1999 VOLUME 189 NUMBER 4

ORIGINAL SCIENTIFIC ARTICLES

343 Pedestrian Versus Motor Vehicle Accidents: An Analysis of 5,000 Patients *Rick Y Peng, MD, Frederic S Bongard, MD, FACS*

349 Tactile Feedback Is Present During Minimally Invasive Surgery *Omar S Bholat, MD, Randy S Haluck, MD, Willie B Murray, MB, ChB, FFARCS, Paul J Gorman, MD, Thomas M Krummel, MD, FACS*

356 Conversions and Complications of Laparoscopic Treatment of Gastroesophageal Reflux Disease *Julio CU Coelho, MD, PhD, Julio C Wiederkehr, MD, PhD, Antonio CL Campos, MD, PhD, Paulo C Andrigueto, MD*

362 The Umbilical Fold Approach to Pyloromyotomy: Is It a Safe Alternative to the Right Upper-Quadrant Approach? *Michael J Leinwand, MD, Donald B Shaul, MD, FACS, Kathryn D Anderson, MD, FACS*

368 Preoperative Localization of Insulinomas Is Not Necessary *Luis A Hashimoto, MD, Richard M Walsh, MD, FACS*

374 Treatment with Recombinant Bactericidal/Permeability-Increasing Protein to Prevent Endotoxin-Induced Mortality in Bile Duct-Ligated Rats *Anne N Kimmings, MD, PhD, Sander JH van Deventer, MD, PhD, Huug Obertop, MD, PhD, Dirk J Gouma, MD, PhD*

380 Extramediastinal Surgical Problems in Heart Transplant Recipients *Xavier M Mueller, MD, Hendrick T Tevaearai, MD, Frank Stumpe, MD, Michel Hurni, MD, Patrick Ruchat, MD, Charles Seydoux, MD, Jean-Jacques Goy, MD, Ludwig K von Segesser, MD*

389 One-Year Cohort of Abdominal, Vaginal, and Laparoscopic Hysterectomies: Complications and Subjective Outcomes *Seija S Meltomaa, MD, Juha I Mäkinen, MD, Mikko O Taalikka, BSc, Hans Y Helenius, MSc*

EDUCATION

397 Use of Mobile Low-Bandwith Telemedical Techniques for Extreme Telemedicine Applications *James C Rosser Jr, MD, FACS, Robert L Bell, MD, MA, Brett Harnett, BS, Edgar Rodas, MD, Michinori Murayama, MD, PhD, Ronald Merrell, MD, FACS*

SPECIALTY SECTION: PEDIATRIC SURGERY

407 Risk-Based Management: Current Concepts of Treating Malignant Solid Tumors of Childhood *Jay L Grosfeld, MD, FACS*

IMAGES FOR SURGEONS

426 Duplication of the Vermiform Appendix in Gastroschisis *Brian F Gilchrist, MD, FACS, Richard Scriven, MD, FACS, Minh Nguyen, MD, Vinh Nguyen, BA, Donald Klotz, MD, FACS, Max L Ramenofsky, MD, FACS*

SURGEON AT WORK

427 Technical Considerations in the Delivery of the Kidney During Laparoscopic Live-Donor Nephrectomy *Lloyd E Ratner, MD, FACS, Michael Fabrizio, MD, Kenneth Chavin, MD, PhD, Robert A Montgomery, MD, PhD, Aloke K Mandal, MD, PhD, Louis R Kavoussi, MD*

LETTERS TO THE EDITOR

431 Cultural Incompetence or Enlightened Care *William Silen, MD, FACS*

Reply *Paul Friedmann, MD, FACS, Josef E Fischer, MD, FACS*

432 Euthanasia *David G Pauls, MD, FACS*

Reply *Joe Vander Veer Jr, MD, FACS*

BOOK REVIEWS

434 **Malignant Liver Tumors: Current and Emerging Therapies.** Edited by Pierre-Alain Clavien, MD *Reviewed by* Bernard Langer, MD, FACS, FRCSC

434 **Principles and Practice of Surgery for the Colon, Rectum, and Anus, 2nd Edition.** Edited by Philip H Gordon, MD, FRCS(C), FACS, Santhat Nivatvongs, MD, FACS *Reviewed by* Michael W Mulholland, MD

435 **Minimally Invasive Cardiac Surgery.** Edited by Robbin G Cohen, MD, Michael J Mack, MD, James D Fonger, MD, Rodney J Landreneau, MD *Reviewed by* Ralph J Damiano Jr, MD

435 **Practical Vascular Surgery.** Edited by James ST Yao, MD, PhD, William H Pearce, MD *Reviewed by* William B Schroder, MD, FACS

436 **Evaluating and Negotiating Your Compensation Arrangements: Understanding the Process and Ensuring Your Future.** By the American Medical Association. *Reviewed by David O Nichols, BS, MBA*

A20 Preliminary Program for the 85th Annual Clinical Congress

A57 Instructions for Authors

A61 Future National Meetings

A82 Classifieds

NOVEMBER 1999 VOLUME 189 NUMBER 5

ORIGINAL SCIENTIFIC ARTICLES

437 **Survival of Critically Ill Surgical Patients Discharged to Extended Care Facilities** *Charles H Cook, MD, Larry C Martin, MD, FACS, Barbara Howard, MD, Louis J Flanchaum, MD, FACS*

442 **Methamphetamine Use in Trauma Patients: A Population-Based Study** *Carol R Schermer, MD, David H Wisner, MD, FACS*

450 **Interventions to Improve Cardiopulmonary Hemodynamics During Laparoscopy in a Porcine Sepsis Model** *William M Greif, MD, Robert A Forse, MD, PhD, FACS*

459 **Staging Laparoscopy and Laparoscopic Ultrasonography in More Than 400 Patients with Upper Gastrointestinal Carcinoma** *Els J Nieveen van Dijkum, MD, Laurens Th de Wit, MD, Otto M van Delden, MD, Philip M Kruyt, MD, Jan JB van Lanschot, MD, Erik AJ Rauws, MD, Hugo Obertop, MD, Dirk J Gouma, MD*

466 **Jejunal Pouch to Avoid Stricture after Esophagojejunostomy with Circular Stapler** *Yukihiko Tokunaga, MD, Jummei Ryo, MD, Akihiro Kitaoka, MD, Toshikazu Yagi, MD, Atsuo Tokuka, MD, Kiyosi Ohsumi, MD*

470 **A Personal Experience with Pancreatic and Duodenal Neuroendocrine Tumors** *Paul H Jordan Jr, MD, FACS*

483 **Management of Splenic Artery Aneurysms: The Significance of Portal and Essential Hypertension** *Paul C Lee, MD, Robert Y Rhee, MD, FACS, Ram Y Gordon, BA, John J Fung, MD, PhD, FACS, Marshall W Webster, MD, FACS*

COLLECTIVE REVIEWS

491 **Trauma Scoring Systems: A Review** *Christopher K Senkowski, MD, Mark G McKenney, MD, FACS*

504 **Clotting and Cancer: Trousseau's Warning** *Amir Kaviani, MD, Claude H Organ Jr, MD, FACS*

508 **Corrosive Ingestion and the Surgeon** *Thomas B Hugh, FRCS, FRACS, Michael D Kelly, FRACS*

SURGEON AT WORK

523 **Ex Vivo Liver Resection with Replacement of the Inferior Vena Cava and Hepatic Vein Replacement by Transposition of the Portal Vein** *Alan W Hemming, MD, MSc, FRCSC, Mark S Cattral, MD, MSc, FRCSC*

527 **Crossover Saphenous Vein Bypass (Palma) in Phlegmasia Caerulea Dolens Caused by Total Iliac Outflow Obstruction** *Peter U Reber, MD, Ameet G Patel, FRCS, Igor Genyk, MD, Horst W Kniemeyer, MD*

IMAGES FOR SURGEONS

530 **Hepatic Resection for Multiple Abscesses** *Seymour I Schwartz, MD, FACS*

BOOK REVIEWS

531 **Schiff's Diseases of the Liver: 2 Volume Set, 8th Edition.** Edited by Eugene R Schiff, MD, FACP, FRCP, Michael F Sorrell, MD, FACP, Willis C Maddrey, MD, MACP, FRCP *Reviewed by* Daniel R Ganger, MD

531 **Fundamentals of Anorectal Surgery, 2nd Edition.** Edited by David E Beck, MD, Steven D Wexner, MD *Reviewed by* Mary-Margaret Brandt, MD

531 **Diagnosis and Treatment of Aortic and Peripheral Arterial Aneurysms.** Edited by Keith Calligaro, MD, Matthew J Dougherty, MD, Larry H Hollier, MD *Reviewed by* York N Hsiang, MB, ChB, MHSc

532 **Tumors of the Soft Tissues, 2nd Edition.** By Tapas K Das Gupta, MD, PhD, DSc, Prabir K Chaudhuri, MD *Reviewed by* Monica Morrow, MD

532 **Correction**

A37 **Instructions for Authors**

A43 **Future National Meetings**

A48 **Classifieds**

DECEMBER 1999 VOLUME 189 NUMBER 5

ORIGINAL SCIENTIFIC ARTICLES

533 **Strategies to Improve Compliance with Evidence-Based Clinical Management Guidelines** *Heidi L Frankel, MD, FACS, Mary Kate FitzPatrick, RN, MSN, Sharon Gaskell, RN, William S Hoff, MD, FACS, Michael F Rotondo, MD, FACS, Charles W Schwab, MD, FACS*

539 **Sentinel Lymph Node Mapping in Breast Cancer Using Subareolar Injection of Blue Dye** *Kenneth A Kern, MD, FACS*

546 **Upregulation of Lung Chemokines Associated with Hemorrhage Is Reversed with a Small Molecule Multiple Selectin Inhibitor** *Jaime R Ramos-Kelly, MD, Luis H Toledo-Pereyra, MD, PhD, Jacqueline A Jordan, PhD, Fernando A Rivera-Chavez, MD, Richard AF Dixon, PhD, Peter A Ward, MD*

554 **Management of Anastomotic Leakage after Nondiverted Large Bowel Resection** *Arnaud Alves, MD, Yves Panis, MD, PhD, Marc Pocard, MD, PhD, Jean-Marc Regimbeau, MD, Patrice Valleur, MD*

560 **Cholecystokinin in the Early Course of Acute Post-ERCP Pancreatitis** *Sari Räty, MD, Juhani Sand, MD, Seppo Laine, MSc, Aimo Harmoinen, Phil Lic, Isto Nordback, MD*

566 **An Objective Scoring System for Laparoscopic Cholecystectomy** *Thomas R Eubanks, DO, Ronald H Clements, MD, Dieter Pohl, MD, Noel Williams, MD, Douglas C Schaad, PhD, Santiago Horgan, MD, Carlos Pellegrini, MD, FACS*

575 **Parenchyma-Preserving Hepatectomy in the Surgical Treatment of Hilar Cholangiocarcinoma** *Masaru Miyazaki, MD, Hiroshi Ito, MD, Koji Nakagawa, MD, Satoshi Ambiru, MD, Hiroaki Shimizu, MD, Tomohisa Okaya, MD, Kazuyasu Shinmura, MD, Nobuyuki Nakajima, MD*

584 **Domino Liver Transplants for Metabolic Disorders: Experience with Familial Amyloidotic Polyneuropathy** *Daniel Azoulay, MD, PhD, Didier Samuel, MD, PhD, Denis Castaing, MD, René Adam, MD, PhD, David Adams, MD, Gérard Said, MD, Henri Bismuth, MD, FACS (Hon)*

594 **Adenocarcinoma of the Gastroesophageal Junction in Japan: Relevance of Siewert's Classification Applied to 177 Cases Resected at a Single Institution** *Yasuhiro Kodera, MD, Yoshitaka Yamamura, MD, Yasuhiro Shimizu, MD, Akihito Torii, MD, Takashi Hirai, MD, Kenzo Yasui, MD, Takeshi Morimoto, MD, Tomoyuki Kato, MD*

EDUCATION

602 **Attrition in Graduate Surgical Education: An Analysis of the 1993 Entering Cohort of Surgical Residents** *Francis Kwakwa, MA, Olga Jonasson, MD, FACS*

COLLECTIVE REVIEW

611 **Prevention of Chronic Radiation Enteritis** *Brad E Waddell, MD, Miguel A Rodriguez-Bigas, MD, FACS, Robert J Lee, MD, Thomas K Weber, MD, FACS, Nicholas J Petrelli, MD, FACS*

IMAGES FOR SURGEONS

625 **Spontaneous Internal Drainage of a Pancreatic Pseudocyst** *Mario G Gasparri, MD, Iraklis I Pipinos, MD, David A Bleza, MD*

SURGEON AT WORK

626 **Tumescent Anesthetic Technique for Long Saphenous Stripping** *Ronald G Bush, MD, FACS, Karin A Hammond, RN, BSN*

629 **A Simple Technique of Portal Vein Resection and Reconstruction During Pancreaticoduodenectomy** *Pierre-Alain Clavien, MD, PhD, FACS, Hannes A Rüdiger, MD*

LETTERS TO THE EDITOR

635 **Incisional Hernia** *Guy R Voeller, MD, FACS*

Reply *George E Wantz, MD, FACS*

637 **Systemic Effects and Side Effects of Cryosurgery Used in Liver Tissue** *Georg Pistorius, MD, Michael D Menger, MD, Gernot Feifel, MD*

Reply *Claus Brunken, MD*

BOOK REVIEWS

640 **Incisional Hernia.** Edited by Volker Schumpelick, Andrew N Kingsnorth, MD *Reviewed by* Vincent Cimmino, MD

640 **Breast Cancer: Molecular Genetics, Pathogenesis, and Therapeutics.** Edited by Anne M Bowcock *Reviewed by* Jacqueline S Jeruss, MD

641 **Manual of Perioperative Care in Cardiac Surgery, 3rd Edition.** By Robert M Bojar, MD, Kenneth G Warner, MD *Reviewed by* Sanjay Mehta, MD

641 **Mending Bodies, Saving Souls: A History of Hospitals.** By Guenter B Risse, MD, PhD *Reviewed by* Robert L Martensen, MD, PhD

642 **Author Index**

644 **Subject Index**

I **Contents of Volume 189**

A21 **Message from the Editor**

A23 **Instructions for Authors**

A27 **Future National Meetings**

A46 **Classifieds**